

SEQUENCE LISTING

<110> Gilmore Jr., Robert D
Johnson, Barbara JB

<120> RECOMBINANT P37/FlaA AS A DIAGNOSTIC REAGENT

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<141> 1998-01-08

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aattaaaaaaa cgaaaatttt ataaaagatt tatataaag gagttggttt ac atg Met -22	475

aaa agg aaa gct aaa agt att tta ttt tta tta tcc act gtt ctt	523
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-20	-15
-10	

ttt gct caa gag act gat gga tta gca gag ggt tct aaa agg gca gag	571
Phe Ala Gln Glu Thr Asp Gly Leu Ala Glu Gly Ser Lys Arg Ala Glu	
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5	10

cct gga gaa tta gtc tta gat ttt gcc gag ctt gca aga gat cca agt	619
Pro Gly Glu Leu Val Leu Asp Phe Ala Glu Leu Ala Arg Asp Pro Ser	
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tca act aga ctt gat ctt aca aat tat gtt gat tat gta tat tcg ggc Ser Thr Arg Leu Asp Leu Thr Asn Tyr Val Asp Tyr Val Tyr Ser Gly 30 35 40	667
gct tct ggt att gtt aag ccg gaa gat atg gtt gta gat ctt ggg ata Ala Ser Gly Ile Val Lys Pro Glu Asp Met Val Val Asp Leu Gly Ile 45 50 55	715
aat aat tgg agc gtt tta ctt act cct tct gca agg ttg cag gct tac Asn Asn Trp Ser Val Leu Leu Thr Pro Ser Ala Arg Leu Gln Ala Tyr 60 65 70 75	763
gtt aaa aat tca gtt gtc gcg ccc gct gtt aag agt gag tca aaa Val Lys Asn Ser Val Val Ala Pro Ala Val Val Lys Ser Glu Ser Lys 80 85 90	811
agg tac gca ggt gat act att ttg ggg gta aga gtt ttg ttt cca agc Arg Tyr Ala Gly Asp Thr Ile Leu Gly Val Arg Val Leu Phe Pro Ser 95 100 105	859
tat tct caa tca tct gct atg att atg cca cca ttt aaa att cct ttt Tyr Ser Gln Ser Ser Ala Met Ile Met Pro Pro Phe Lys Ile Pro Phe 110 115 120	907
tat tca ggg gaa agt ggc aat caa ttt tta ggc aaa ggt ctt att gat Tyr Ser Gly Glu Ser Gly Asn Gln Phe Leu Gly Lys Gly Leu Ile Asp 125 130 135	955
aac att aaa acc atg aaa gaa att aag gta tct gtt tat agt tta ggg Asn Ile Lys Thr Met Lys Glu Ile Lys Val Ser Val Tyr Ser Leu Gly 140 145 150 155	1003
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atc ttt tat gtt aaa gat tta aga gtt ctt tat gat aag cta agt gtt Ile Phe Tyr Val Lys Asp Leu Arg Val Leu Tyr Asp Lys Leu Ser Val 240 245 250	1291
tca ata gat tct gat att gac agt gag tct gta ttt aaa gtt tat gag Ser Ile Asp Ser Asp Ile Asp Ser Glu Ser Val Phe Lys Val Tyr Glu 255 260 265	1339
act agc gga act gaa tcc ctt cgt aaa tta aag gca cac gaa act ttt Thr Ser Gly Thr Glu Ser Leu Arg Lys Leu Lys Ala His Glu Thr Phe 270 275 280	1387
aaa aga gtt tta aag ctt aga gaa aaa att tct atc gct gaa ggc tct Lys Arg Val Leu Lys Leu Arg Glu Lys Ile Ser Ile Ala Glu Gly Ser 285 290 295	1435

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tct ccg aaa aat tag gtttaaattt atatgtttttt ctacctaaaa ggtttgcttt Ser Pro Lys Asn * 320	1538
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Glu Pro Gly Glu Leu Val Leu Asp Phe Ala Glu Leu Ala Arg Asp Pro 15 20 25	
Ser Ser Thr Arg Leu Asp Leu Thr Asn Tyr Val Asp Tyr Val Tyr Ser 30 35 40	
Gly Ala Ser Gly Ile Val Lys Pro Glu Asp Met Val Val Asp Leu Gly 45 50 55	
Ile Asn Asn Trp Ser Val Leu Leu Thr Pro Ser Ala Arg Leu Gln Ala 60 65 70	
Tyr Val Lys Asn Ser Val Val Ala Pro Ala Val Val Lys Ser Glu Ser 75 80 85 90	
Lys Arg Tyr Ala Gly Asp Thr Ile Leu Gly Val Arg Val Leu Phe Pro 95 100 105	
Ser Tyr Ser Gln Ser Ser Ala Met Ile Met Pro Pro Phe Lys Ile Pro 110 115 120	
Phe Tyr Ser Gly Glu Ser Gly Asn Gln Phe Leu Gly Lys Gly Leu Ile 125 130 135	
Asp Asn Ile Lys Thr Met Lys Glu Ile Lys Val Ser Val Tyr Ser Leu 140 145 150	
Gly Tyr Glu Ile Asp Leu Glu Val Leu Phe Glu Asp Met Asn Gly Met 155 160 165 170	
Glu Tyr Ala Tyr Ser Met Gly Thr Leu Lys Phe Lys Gly Trp Ala Asp 175 180 185	
Ile Ile Trp Ser Asn Pro Asn Tyr Ile Pro Asn Ile Ser Ser Arg Ile 190 195 200	
Ile Lys Asp Asp Val Pro Asn Tyr Pro Leu Ala Ser Ser Lys Met Arg 205 210 215	
Phe Lys Ala Phe Arg Val Ser Lys Ser His Ser Ser Lys Val Lys Asn 220 225 230	
Phe Ile Phe Tyr Val Lys Asp Leu Arg Val Leu Tyr Asp Lys Leu Ser	

235	240	245	250
Val Ser Ile Asp Ser Asp Ile Asp Ser Glu Ser Val Phe Lys Val Tyr			
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Glu Thr Ser Gly Thr Glu Ser Leu Arg Lys Leu Lys Ala His Glu Thr			
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Phe Lys Arg Val Leu Lys Leu Arg Glu Lys Ile Ser Ile Ala Glu Gly			
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